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- * Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/302,606
- ** Copies not attached as previously submitted to or cited by the USPTO in grandparent application US 09/855,094

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO		Complete if Known	
		Application Number	
		Filing Date	
		First Named Inventor	Kia Silverbrook
		Art Unit	
		Examiner Name	
		Attorney Docket Number	ZG007US
Sheet	1	of	7

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. 1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-4,458,255 **	07.03.1984	Giles	
		US-5,812,159 **	09.22.1998	Anagnostopoulos et al	
		US-4,855,567 **	08.08.1989	Mueller	
		US-4,812,792 **	03.14.1989	Leibowitz	
		US-4,007,464 **	02.08.1977	Bassous et al	
		US-5,612,723 **	03.18.1997	Shimura et al	
		US-6,485,123 *	11.26.2002	Silverbrook	
		US-6,174,050 *	01.16.2001	Kashino et al	
		US-5,719,604	02.17.1998	Inui et al	
		US-5,666,141	09.09.1997	Matoba et al	
		US-4,672,398	06.09.1987	Kuwabara et al	
		US-4,737,802	04.12.1988	Mielke	
		US-5,029,805	07.09.1991	Albara et al	
		US-5,258,774	11.02.1993	Rogers	
		US-4,553,393	11.19.1985	Ruoff	
		US-4,864,824	09.12.1989	Gabriel et al	
		US-4,423,401	12.27.1983	Mueller	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. 1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		EP 0 713 774 A2	05.29.1996	Sharp Kabushiki Kaisha	T ⁶
		DE 195 16 997	11.16.1995	Sharp KK	
		DE 196 23 620 A1	12.19.1996	Sharp KK	
		JP 2 108544 (Abstract)	04.20.1990	Seiko Epson Corp	
		JP 2 92643 (Abstract)	04.03.1990	Seiko Epson Corp	
		JP 4 353458 (Abstract)	12.08.1992	Brother Ind Ltd	
		JP 6 91865 (Abstract)	04.05.1994	Seikosha Co Ltd	
		JP 6 91866 (Abstract)	04.05.1994	Seikosha Co Ltd	
		JP 2 265752 (Abstract)	10.30.1990	Matsushita Electric Ind Co Ltd	
		EP 0 634 273	01.18.1995	Sharp Kabushiki Kaisha	

Examiner Signature	Date Considered
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 7

Substitute for form 1449A/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	
		Filing Date	
		First Named Inventor	Kia Silverbrook
		Art Unit	
		Examiner Name	
Sheet	2	of	7
		Attorney Docket Number	ZG007US

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)				
		DE 195 32 913	03.28.1996	Sharp K.K		
		JP 58 112747 (Abstract)	07.05.1983	Fujitsu KK		
		DE 43 28 433	03.02.1995	Heidleberger Druckmaschinen AG		
		JP 61 025849 (Abstract)	02.04.1986	Canon Inc		
		JP 01 128839 (Abstract)	05.22.1989	Ricoh Co Ltd		
		JP 04 126255 (Abstract)	04.27.1992	Seiko Epson Corp		
		GB 2 262 152	06.09.1993	Willett Int Ltd		
		DE 195 16 997	11.16.1995	Sharp K.K		
		JP 05 318724 (Abstract)	12.03.1993	Seikosha Co Ltd		
		JP 02 162049 (Abstract)	06.21.1990	Seiko Epson Corp		

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Approved for use through 10/31/2002. OMB 0851-0031
GSA Schedule Contract Number GS-03F-0092C

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
(use as many sheets as necessary)			
Sheet	3	of	7
		Application Number	
		Filing Date	
		First Named Inventor	Kia Silverbrook
		Art Unit	
		Examiner Name	
		Attorney Docket Number	ZG007US

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		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)			
		DE 32 45 283	06.07.1984	Siemens AG	
		JP 04 368851 (Abstract)	12.21.1992	Seiko Epson Corp	
		JP 02 158348 (Abstract)	06.18.1990	Minolta Camera Co Ltd	
		JP 03 112662 (Abstract)	05.14.1991	Seiko Epson Corp	
		JP 03 653348 (Abstract)	03.20.1991	Matsushita Electric Ind Co	
		EP 0 431 338	06.12.1991	Matsushita Electric Ind Co	
		JP 01 257058	10.13.1989	Seiko Epson Corp	
		DE 195 17 969	11.30.1995	Sharp K.K	
		DE 196 39 717	04.17.1997	Sharp K.K	
		EP 0 737 580	10.16.1996	Canon K.K	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
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Sheet	4	of	7
Application Number Filing Date First Named Inventor Art Unit Examiner Name Attorney Docket Number			
Kia Silverbrook			

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		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)			
		EP 0 882 590	12.09.1998	Canon K.K	
		EP 0 478 956	04.08.1992	Kernforschungsz Karlshruhe GMBH	
		DE'1 648 322	03.24.1971	VDO Tachometerwerke GMBH	
		GB 1 428 239	03.17.1976	Cibie Projecteurs	
		DE 39 34 280	04.26.1990	CAE di Cipellati Alberto	
		DE 29 05 063	08.14.1980	Olympia Werke AG	
		WO 94 18010	08.18.1994	Domino Printing Sciences PLC	
		EP 0 398 031	11.22.1990	Seiko Epson Corp	
		EP 0 427 291	05.15.1991	Seiko Epson Corp	
		JP 01 115639 (Abstract)	05.08.1989	Ricoh Co Ltd	

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PTO/SB/09-1A-01**

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Sheet	5	of	7
		Attorney Docket Number	
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First Named Inventor		Kia Silverbrook	
Art Unit			
Examiner Name			

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		JP 58 116165 (Abstract)	07.11.1983	Canon K.K.	
		EP 0 627 314	12.07.1994	Olivetti Canon Ind SPA	
		JP 61 268453 (Abstract)	11.27.1986	Olympus Optical Co Ltd	
		JP 04 118241 (Abstract)	04.20.1992	Seiko Epson Corp	
		EP 0 506 232	09.30.1992	Videojet Systems Int, Inc	
		JP 07 314665 (Abstract)	12.05.1995	Canon Inc	
		JP 03 180350	08.06.1991	Seiko Epson Corp	
		WO 97 12689	04.10.1997	The Board of Trustees of the Leland Stanford University	
		JP 02 050841 (Abstract)	02.20.1990	Seiko Epson Corp	

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PTO-15B (08-04) 10-01

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(use as many sheets as necessary)			
Sheet	6	of	7
		Application Number	
		Filing Date	
		First Named Inventor	Kia Silverbrook
		Art Unit	
		Examiner Name	
		Attorney Docket Number	ZG007US

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		EP 0 510 648	10.28.1992	Ivri Yehuda		
		JP 05 28765 (Abstract)	10.29.1993	Canon Inc		
		JP 04-141429 (Abstract)	05.14.1992	Seiko Epson Corp		
		JP 01-105746 (Abstract)	04.24.1989	Ricoh Co. Ltd		
		GB 792 145	03.19.1958	Technograph Printed Circuits Ltd		
		EP 0 750 993	01.02.1997	Canon K.K		
		JP 01'306254 (Abstract)	12.11.1989	Seiko Epson Corp		
		EP 0 092 229	10.26.1983	Siemens AG		
		DE 37 16 996	12.08.1988	VDO Schindling		
		DE 34 30 155	02.27.1986	Siemens AG		
		FR 2 231 076	12.20.1974	Electricite De France		

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<p>Substitute for form 1449B/PTO</p> <h1 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h1> <p style="text-align: center;"><i>(use as many sheets as necessary)</i></p>				<i>Complete if Known</i>	
Sheet	7	of	7	Application Number	
				Filing Date	
				First Named Inventor	Kia Silverbrook
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	ZG007US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS		T ²
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		<p>NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier Sequoia S.A., Lausanne, Vol 55, no. 1, 15 July 1996, pp 65-69, XP004077979 ISSN: 0924-4247.</p> <p>ATAKA, MANABU et al, "Fabrication and Operation of Polyimide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.</p> <p>YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceedeing of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp 142-147, XP000528408, ISBN: 0-7803-1834-X.</p>

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